

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. 10/030,224 Confirmation No.: 9213  
Applicant(s): RENNER, Hermann et al.  
Filed: 07/05/2000  
TC/A.U. TBA  
Examiner: TBA  
Title: Process for the Regeneration of Platinum Group Metal Suspension Catalysts  
Docket No.: 32301W250  
Customer No.: 00441

REQUEST TO WITHDRAW HOLDING OF ABANDONMENT

Mail Stop PCT  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Attn: RO/US

Dear Sir:

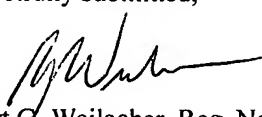
Applicants hereby petition to withdraw the Notice of Abandonment for failure to file a reply to the Notification of Missing Requirements mailed March 27, 2002.

A response to the Notification of Missing Requirements was due May 27, 2002. Applicants' attorney filed a response on April 23, 2002, along with the executed Declarations/Powers of Attorney, Recordation Form Cover Sheet, Assignment, Supplemental Information Disclosure Statement, Form PTO-1449, cited references, a check in the amount of \$170.00 in payment of the surcharge fee and assignment recordation, and a return receipt postcard (copies enclosed). A copy of the returned postcard bearing the U.S. Patent and Trademark Office date stamp of April 23, 2002 is also enclosed.

The Assignment was recorded on April 23, 2002 at Reel 012922, Frame 0291. A copy of the recorded Assignment is enclosed herewith.

In view of the timely filing by Applicants' attorney on April 23, 2002, withdrawal of the Notice of Abandonment is respectfully requested.

Respectfully submitted,

  
Robert G. Weilacher, Reg. No. 20,531  
Attorney for Applicants

Dated: December 16, 2003  
SMITH, GAMBRELL & RUSSELL, LLP  
Suite 3100, Promenade II  
1230 Peachtree Street, NE  
Atlanta, GA 30309-3592  
Ph: (404) 815-3593  
Fax: (404) 685-6893

**Postcard Receipt: Please apply mail room stamp and return to:  
SMITH, GAMBRELL & RUSSELL, L.L.P.**

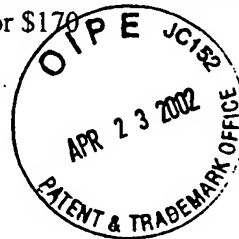
---

Atty Docket No. : 32301W250  
Applicants : Hermann Renner, et al.  
Serial No. : 10/030,224  
Filed : January 8, 2002  
For : PROCESS FOR THE REGENERATION OF PLATINUM  
GROUP METAL SUSPENSION CATALYSTS

---

List of Attached Documents: Copy of the Notification of Missing Requirements; Execute Declaration/Power of Attorney; Assignment Recordation Cover Sheet and Executed Assignment; Letter to Examiner; Supplemental Information Disclosure Statement, PTO Form 1449 and cited references; check for \$170

Filed: April 23, 2002  
RGW:kms



12

32301W250

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hermann Renner, et al.

U.S. Serial No.: 10/030,224

Group Art Unit: To Be Assigned

Filed: : January 8, 2002

Examiner: To Be Assigned

For: **PROCESS FOR THE REGENERATION OF PLATINUM GROUP  
METAL SUSPENSION CATALYSTS**

RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 USC 371  
IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/E0/US)

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Responsive to the Notification of Missing Requirements Under 35 U.S.C. 371, mailed  
March 27, 2002, Applicants file herewith the following documents relating to the above-  
identified application:

- (1) A copy of the Notification of Missing Requirements;
- (2) Executed Declaration/Power of Attorney;
- (3) Assignment Recordation Cover Sheet and Executed Assignment;
- (4) Letter to Examiner;
- (5) Supplemental Information Disclosure Statement, PTO Form 1449 and cited  
reference;
- (6) A check in the amount of \$170.00.00 to cover the surcharge fee (\$130) and  
assignment recordation (\$40).

Please charge any additional fees which may be necessary to Deposit Account No. 02-  
4300 and credit any overpayment to said Deposit Account. This includes any additional fees  
under 37 C.F.R. § 1.16 and 1.17.

Respectfully submitted,  
SMITH, GAMBRELL & RUSSELL, LLP

By: 

Robert G. Weilacher, Reg. No. 20,531  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 659-2811  
Fax: (202) 263-4329

April 25, 2002

SMITH, GAMBRELL & RUSSELL, LLP

CLIENT DISBURSEMENT ACCOUNT  
SUITE 3100 PROMENADE II  
1230 PEACHTREE STREET NE  
ATLANTA, GA 30309-3592

SouthTrust Bank  
ATLANTA, GEORGIA

056202

64-305/611

ONE HUNDRED SEVENTY AND 00/100 Dollars

PAY

TO THE ORDER OF COMMISSIONER OF PATENTS

04-23-02 \$\*\*\*\*\*170.00

DATE AMOUNT

SMITH, GAMBRELL & RUSSELL, LLP  
VOID AFTER 90 DAYS



⑈056202⑈ ⑈061103056⑈590000436 8⑈

SMITH, GAMBRELL & RUSSELL, LLP

DETACH AND RETAIN THIS STATEMENT  
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.  
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

056202

56202

COMMISSIONER OF PATENTS

04-23-02

REF. #	INV. #	DATE	P.O. #	INVOICE DESCRIPTION	AMOUNT PAID
116766	032301250	04-23-02	032301.250	Surcharge: assignment	170.00
TOTAL AMOUNT PAID:					170.00

5-27-02



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents, Box PCT  
United States Patent and Trademark Office  
Washington, D.C. 20231  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/030,224	Hermann Renner	32301 W250

Smith Gambrell & Russell  
1850 M Street N W  
Suite 800  
Washington, DC 20036

RECEIVED  
APR 01 2002  
SMITH, GAMBRELL & RUSSELL, LLP

INTERNATIONAL APPLICATION NO.	
PCT/EP00/06301	
I.A. FILING DATE	PRIORITY DATE
07/05/2000	08/24/1999

CONFIRMATION NO. 9213  
371 FORMALITIES LETTER



Date Mailed: 03/27/2002

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Priority Document
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- Information Disclosure Statements
- Preliminary Amendments
- Request for Immediate Examination

DOCKET \_\_\_\_\_  
DOCKETED BY: \_\_\_\_\_  
DATE 4/1/02  
GIVEN TO Ren

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than the appropriate 30 months months from the priority date (37 CFR 1.492(e)) is required.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Ren

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is **\$130** for a Large Entity:

- **\$130** Late oath or declaration Surcharge.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 305-3734

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/030,224	PCT/EP00/06301	32301 W250

FORM PCT/DO/EO/905 (371 Formalities Notice)

32301W250

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hermann Renner, et al.

U.S. Serial No.: 10/030,224

Group Art Unit: To Be Assigned

Filed: : January 8, 2002

Examiner: To Be Assigned

For: **PROCESS FOR THE REGENERATION OF PLATINUM GROUP  
METAL SUSPENSION CATALYSTS**

LETTER TO EXAMINER

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements received for this case, Applicants are filing herewith an executed Declaration. The second Applicant, Hans Herzog, signed the Declaration on page 2. However, since the signature line was inadvertently omitted, Mr. Herzog executed the Declaration on the signature line above his name.

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP

By: 

Robert G. Weilacher, Reg. No. 20,531  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 659-2811  
Fax: (202) 263-4329

April 25, 2002

# United States Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Convention & Non-convention  
PCT & Non-PCT  
This form cannot be amended, altered  
or changed after it is signed.  
(For use only for inventors who  
understand the English language.)

4

## PROCESS FOR THE REGENERATION OF PLATINUM GROUP METAL SUSPENSION CATALYSTS

- (check one) ☒ is attached hereto (informational purposes only).  
☐ was filed as U.S. Application No. \_\_\_\_\_ on \_\_\_\_\_ and (if applicable)  
 was amended on \_\_\_\_\_.  
☒ was filed as PCT International Application No. PCT/EP00/06301 on July 5, 2000 and (if applicable)  
 was amended under PCT Article 36 on even date.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  
 I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign and PCT application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America listed in this Declaration.  
 I have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application(s) on which priority is claimed:

Foreign/PCT Application No.	Country	Filing Date	Priority Claimed? (yes/no)
DE 199 40 127.6	Germany	August 24, 1999	Yes
DE 199 40 459.3	Germany	August 25, 1999	Yes

I hereby claim the benefit under Title 35, United States Code, §120 or §365(c) of any United States application and PCT international application designating the United States of America listed in this Declaration and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date-of the prior application and the national or PCT international filing date of this application:

U.S. Application No.	Filing Date	Status (patented/pending/abandoned?)

I hereby claim priority benefits under Title 35 United States Code §119(e) of any U.S. provisional application(s) listed below:

U.S. Provisional Application No.	Filing Date

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Robert G. Weilacher (20,531), Herbert M. Hanegan (25,682), Dale Lischer (28,438), Frederick F. Calveti (28,557), J. Rodgers Lunsford, III (29,405), Michael A. Makuch (32,263), Dennis C. Rodgers (32,936), Mary A. Montebello (33,021), Eric J. Hanson (44,738), Patrick R. Delaney (45,338) Brandon S. Boss (46,567), and Brett L. Nelson (48,119).

Send all correspondence to: SMITH, GAMBRELL & RUSSELL, LLP, 1850 M Street, N.W. (Suite 800), Washington, D.C. 20036. All facsimiles may be sent to (202) 263-4329. Direct all phone calls to (202) 659-2811.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Hermann Renner  
 Residence (city, state, country): DE-78333 Stockach, Germany  
 Post office address: Zozneggerstrasse 5  
 DE-78333 Stockach, Germany

Citizenship: German

Signature: Hermann Renner

Date: January 25, 2002

Full name of second joint inventor, if any: Hans Herzog  
 Residence (city, state, country): DE-79410 Badenweiler-Lipburg, Germany  
 Post office address: Am Farnbuck 2  
 DE-79410 Badenweiler-Lipburg, Germany

Citizenship: German



# Declaration and Power of Attorney United States Patent Application

As a below named inventor, I hereby declare that:  
My residence, post office address and citizenship are as stated below next to my name.  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Convention & Non-convention  
PCT & Non-PCT  
This form cannot be amended, altered  
or changed after it is signed.  
(For use only for inventors who  
understand the English language.)

## PROCESS FOR THE REGENERATION OF PLATINUM GROUP METAL SUSPENSION CATALYSTS

(check one) ☒ is attached hereto (informational purposes only).  
☐ was filed as U.S. Application No. \_\_\_\_\_ on \_\_\_\_\_ and (if applicable)  
was amended on \_\_\_\_\_.  
☐ was filed as PCT International Application No. PCT/EP00/06301 on July 5, 2000 and (if applicable)  
was amended under PCT Article 36 on \_\_\_\_\_ even date \_\_\_\_\_.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.  
I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign and PCT application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America listed in this Declaration.  
I have also identified below any foreign application for patent or inventor's certificate or PCT international application having a filing date before that of the application(s) on which priority is claimed:

Foreign/PCT Application No.	Country	Filing Date	Priority Claimed? (yes/no)
DE 199 40 127.6	Germany	August 24, 1999	Yes
DE 199 40 459.3	Germany	August 25, 1999	Yes

I hereby claim the benefit under Title 35, United States Code, §120 or §365(c) of any United States application and PCT international application designating the United States of America listed in this Declaration and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Application No.	Filing Date	Status (patented/pending/abandoned?)

I hereby claim priority benefits under Title 35 United States Code §119(e) of any U.S. provisional application(s) listed below:

U.S. Provisional Application No.	Filing Date

I hereby appoint the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Robert G. Weilacher (20,531), Herbert M. Hanegan (25,682), Dale Lischer (28,438), Frederick F. Calvetti (28,557), J. Rodgers Lunsford, III (29,405), Michael A. Makuch (32,263), Dennis C. Rodgers (32,936), Mary A. Montebello (33,021), Eric J. Hanson (44,738), Patrick R. Delaney (45,338) Brandon S. Boss (46,567), and Brett L. Nelson (48,119).

Send all correspondence to: SMITH, GAMBRELL & RUSSELL, LLP, 1850 M Street, N.W. (Suite 800), Washington, D.C. 20036. All facsimiles may be sent to (202) 263-4329. Direct all phone calls to (202) 659-2811.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: Hermann Renner  
Residence (city, state, country): DE-78333 Stockach, Germany  
Post office address: Zozneggerstrasse 5  
DE-78333 Stockach, Germany

Citizenship: German

Signature: H. Renner

Date: 1.24.2002

Full name of second joint inventor, if any: Hans Herzog  
Residence (city, state, country): DE-79410 Badenweiler-Lipburg, Germany  
Post office address: Am Farnbuck 2  
DE-79410 Badenweiler-Lipburg, Germany

Citizenship: German

Tab settings



To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Hermann Renner  
Hans HerzogAdditional name of conveying party(ies) attached? ☐ Yes ☒ No

## 2. Name and address of receiving party(ies)

Name: Degussa AG

Internal Address: \_\_\_\_\_

Street Address: Bennigsenplatz 1DE-40474 Dusseldorf, GERMANY

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 1/25/02 and 1/24/02, respectively

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution data of the application is: 1/25/02 and 1/24/02, respectively

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Smith, Gambrell & Russell

Internal Address: \_\_\_\_\_

Street Address: 1850 M Street, N.W.Suite 800City: Washington State: DC Zip: 200366. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) . . . . . \$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

02-4300

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Robert G. Weilacher

Name of Person Signing

  
SignatureApril 25, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

### PROCESS FOR THE REGENERATION OF PLATINUM GROUP METAL SUSPENSION CATALYSTS

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☐ U.S. patent application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
- ☒ a U.S. patent application based on PCT International Application No. PCT/EP00/06301 filed on (date) July 5, 2000, U.S. patent application Serial No. \_\_\_\_\_, if known).
- ☐ U.S. patent No. \_\_\_\_\_, issued \_\_\_\_\_.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Degussa AG  
(Address) BENNIGSENPLATZ 1,  
DE-40474 DÜSSELDORF, GERMANY

The ASSIGNEE is:

- (check one) ☐ An Individual.
- ☐ A Partnership.
- ☒ A Corporation of Germany (specify state or country)  
(other)

The ASSIGNOR(S), receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:  
the full and exclusive right to the invention;

INVENTION TITLE: INDUCTION HEATED COOKING VESSEL

the entire right, title and interest in and to the PATENT RIGHTS;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions,  
based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby  
authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the  
ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said  
ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives,  
any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings,  
sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and  
reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be  
issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to  
aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said  
invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this  
application to check any appropriate boxes and to insert the Serial Number and filing date in this  
document after it has been executed.

Hermann Renner  
Name of First Inventor

Hermann Renner  
Signature

January 25, 2002  
Date January 25, 2002

Hans Herzog  
Name of Second Inventor, if any

Signature

Date

\_\_\_\_\_  
Name of Third Inventor, if any

Signature

Date

\_\_\_\_\_  
Name of Fourth Inventor, if any

Signature

Date

INVENTION TITLE: INDUCTION HEATED COOKING VESSEL

the entire right, title and interest in and to the PATENT RIGHTS;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions,  
based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Hermann Renner  
Name of First Inventor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Hans Herzog  
Name of Second Inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

*H. Herzog*, 12.4.8.2002

\_\_\_\_\_  
Name of Third Inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name of Fourth Inventor, if any

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hermann Renner, et al.

U.S. Serial No.: 10/030,224

Group Art Unit: To Be Assigned

Filed: : January 8, 2002

Examiner: To Be Assigned

For : PROCESS FOR THE REGENERATION OF PLATINUM GROUP  
: METAL SUSPENSION CATALYSTS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. 1.56, Applicants bring this Information Disclosure Statement (IDS) that is supplemental to the IDS filed in the above-identified patent application on January 8, 2002. An English-language translation of the International Preliminary Examination Report is enclosed.

It is respectfully requested that the cited document be considered by the Examiner in the above-identified patent application and that the cited document be made officially of record therein. It is further requested that a listing of the same appear on the face of any patent which may issue from this application.

A first Action has not yet issued for this application. Therefore, it is respectfully urged that no fees are required for the Examiner's consideration of the documents listed in this Information Disclosure Statement.

Respectfully submitted,

SMITH, GAMBRELL & RUSSELL, LLP

By: 

Robert G. Weilacher, Reg. No. 20,531  
1850 M Street, N.W., Suite 800  
Washington, D.C. 20036  
Telephone: (202) 659-2811  
Fax: (202) 659-1462

April 25, 2002

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>  <i>(Use several sheets if necessary)</i>	<b>ATTY. DOCKET NO.</b> 32301W250	<b>SERIAL NO.</b> 10/030,224
	<b>APPLICANT:</b> Hermann Renner, et al.	
	<b>FILING DATE</b> January 8, 2002	<b>GROUP ART UNIT</b> To Be Assigned

**U.S. Patent Documents**

Examiner Initials		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE, IF APPROPRIATE
	AA						
	AB						
	AC						

**Foreign Patent Documents**

Examiner Initials		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
	AD							
	AE							
	AF							
	AG							
	AH							
	AI							
	AJ							
	AK							
	AL							

**OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, Etc.)**

	AM	English translation of International Preliminary Examination Report (Form PCT/IPEA/409)
	AN	
	AO	
	AP	
	AQ	

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 990138 AO	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP00/06301	International filing date (day/month/year) 05 July 2000 (05.07.00)	Priority date (day/month/year) 24 August 1999 (24.08.99)
International Patent Classification (IPC) or national classification and IPC B01J 23/96		
Applicant DEGUSSA AG		

<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of <u>4</u> sheets.</p>	
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>	

Date of submission of the demand 10 November 2000 (10.11.00)	Date of completion of this report 24 October 2001 (24.10.2001)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.



## I. Basis of the report

1. This report has been drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

☐ the international application as originally filed.

☒ the description, pages 1,2,5-8, as originally filed,  
pages \_\_\_\_\_, filed with the demand,  
pages 3,4,4a, filed with the letter of 22 June 2001 (22.06.2001),  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☒ the claims, Nos. 3-6, as originally filed,  
Nos. \_\_\_\_\_, as amended under Article 19,  
Nos. \_\_\_\_\_, filed with the demand,  
Nos. 1,2, filed with the letter of 22 June 2001 (22.06.2001),  
Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

☐ the drawings, sheets/fig \_\_\_\_\_, as originally filed,  
sheets/fig \_\_\_\_\_, filed with the demand,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

☐ the description, pages \_\_\_\_\_

☐ the claims, Nos. \_\_\_\_\_

☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

## 1. Statement

Novelty (N)	Claims	1 - 6	YES
	Claims		NO
Inventive step (IS)	Claims	1 - 6	YES
	Claims		NO
Industrial applicability (IA)	Claims	1 - 6	YES
	Claims		NO

## 2. Citations and explanations

GB-A-1 090 294 and GB-A-0 922 021, which are considered the closest prior art, disclose (see the claims) a method for regenerating a catalyst that contains platinum group metals from which the subject matter of Claim 1 differs in that

precipitation is carried out in the presence of an at least stoichiometric amount of a chelate complexing agent of one or more metals of the series of metals of groups 2a, 3a and 4a of the periodic system and of the transition elements, except for the elements of the platinum group, and that during precipitation at least one of the non-platinum group metals present is held in solution.

The subject matter of Claim 1 is therefore novel (PCT Article 33(2)).

This method produces catalysts having higher activity than when precipitation is carried out in the absence of a chelate complexing agent, and therefore the claimed subject matter also involves an inventive step (PCT Article 33(3)).

Claims 2-6 are dependent on Claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.



JULY 26, 2002

PTAS

Chief Information Officer  
Washington, DC 20231  
www.uspto.gov

SMITH, GAMBRELL & RUSSELL  
1850 M STREET, N.W.  
SUITE 800  
WASHINGTON, D.C. 20036



\*102104613A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/23/2002

REEL/FRAME: 012922/0291  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RENNER, HERMANN

DOC DATE: 01/25/2002

ASSIGNOR:

HERZOG, HANS

DOC DATE: 01/24/2002

ASSIGNEE:

DEGUSSA AG  
BENNIGSENPLATZ 1  
DE-40474 DUSSELDORF, FED REP  
GERMANY

SERIAL NUMBER: 10030224  
PATENT NUMBER:

FILING DATE:  
ISSUE DATE:

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

DOCKET 652321, 256  
DOCKETED BY: [Signature]  
DATE 8/6/02  
GIVEN TO PC

05-29-2002



102104613

Tab settings ⇌ ⇌ ⇌ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hermann Renner  
Hans Herzog

04/23/02

2. Name and address of receiving party(ies)

Name: Degussa AG

Internal Address: \_\_\_\_\_

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Street Address: Bennigsenplatz 1

DE-40474 Dusseldorf, GERMANY

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

Execution Date: 1/25/02 and 1/24/02, respectively

4. Application number(s) or patent number(s):

10/030224

If this document is being filed together with a new application, the execution data of the application is: 1/25/02 and 1/24/02, respectively

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Smith, Gambrell & Russell

Internal Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) . . . . . \$ 40

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number:

02-4300

(Attach duplicate copy of this page if paying by deposit account)

Street Address: 1850 M Street, N.W.

Suite 800

City: Washington State: DC Zip: 20036

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert G. Weilacher  
Name of Person Signing

[Signature]  
Signature

April 25, 2002  
Date

Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

### PROCESS FOR THE REGENERATION OF PLATINUM GROUP METAL SUSPENSION CATALYSTS

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☐ U.S. patent application Serial No. \_\_\_\_\_, filed \_\_\_\_\_.
- ☒ a U.S. patent application based on PCT International Application No. PCT/EP00/06301 filed on (date) July 5, 2000, U.S. patent application Serial No. \_\_\_\_\_, if known).
- ☐ U.S. patent No. \_\_\_\_\_, issued \_\_\_\_\_.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Degussa AG  
(Address) BENNIGSENPLATZ 1,  
DE-40474 DÜSSELDORF, GERMANY

The ASSIGNEE is:

- (check one) ☐ An Individual.
- ☐ A Partnership.
- ☒ A Corporation of Germany (specify state or country)  
(other)

The ASSIGNOR(S), receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:  
the full and exclusive right to the invention;

ASSIGNEE: LES FONDERIES FRANCO-BELGES

INVENTION TITLE: INDUCTION HEATED COOKING VESSEL

the entire right, title and interest in and to the PATENT RIGHTS;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions,  
based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Hermann Renner  
Name of First Inventor

Hermann Renner  
Signature

January 25, 2002  
Date January 25, 2002

Hans Herzog  
Name of Second Inventor, if any

\_\_\_\_\_  
Signature

Date

\_\_\_\_\_  
Name of Third Inventor, if any

\_\_\_\_\_  
Signature

Date

\_\_\_\_\_  
Name of Fourth Inventor, if any

\_\_\_\_\_  
Signature

Date

ASSIGNEE: LES FONDERIES FRANCO-BELGES

INVENTION TITLE: INDUCTION HEATED COOKING VESSEL

the entire right, title and interest in and to the PATENT RIGHTS;  
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions,  
based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Hermann Renner

Name of First Inventor

Signature

Date

Hans Herzog

Name of Second Inventor, if any

Signature

Date

Name of Third Inventor, if any

Signature

Date

Name of Fourth Inventor, if any

Signature

Date